Simulation of SNR under various conditions.

- SNR\(_{\text{MRC}}\)
- SNR\(_{\text{AF-SC}}\)
- SNR\(_{\text{p}}\)

Theoretical analysis with parameters:

- $\alpha = 0.9$
- $\alpha = 0.5$

Average received SNR\([\text{dB}]\) vs. $\frac{P_p}{\sigma^2}\text{[dB]}$ for $\frac{P_p}{\sigma^2} = 20\text{dB}$ and $\frac{P_p}{\sigma^2} = 10\text{dB}$.